

西藏地区藏族群体 $\alpha 1$ -抗胰蛋白酶的遗传多态性及一种新的Pi变异型 Genetic Polymorphism of $\alpha 1$ -Antitrypsin in Tibetan Population in Tibet with a New Pi Variant

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摘要 作者用超薄层聚丙烯酰胺凝胶等电聚焦技术, 调查了204名西茂地区无血缘关系藏族个体血清 $\alpha 1$ -抗胰蛋白酶(Pi)的表型, 除检出6种常见PiM亚型外, 还检出了4种变异型。其中, 1种是国内外尚未见报道的新的Pi变异型, 1种是缺陷型, 其血清Pi相对含量为69.51%。推算出Pi等位基因频率为:

PiM1=0.7624, PiM2=0.1634, PiM3=0.0668和PiV=0.0074。

The distribution of subtypes and gene frequencies of $\alpha 1$ -antitrypsin were studied in 204 unrelated healthy blood donors in Tibetan population in Tibet using ULPAGIF. Besides six common PiM subtypes, four kinds of Pi variants were detected. They were as follows: PiM1/L, R, M1-and a new variant. The relative concentration of M1 was 69.51%. The gene frequencies of Pi alleles were PiM1=0.7624, PiM2=0.1634, PiM3=0.0668, PiV=0.0074.

关键词 [\$\alpha 1\$ -抗胰蛋白酶](#) [遗传多态性](#) [等电聚焦](#) [藏族](#) **Key words** [\$\alpha 1\$ -antitrypsin](#) [Geentic polymorphism](#) [Isoelectric focusing](#) [Tibetan population](#)

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Abstract

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